FIGURES

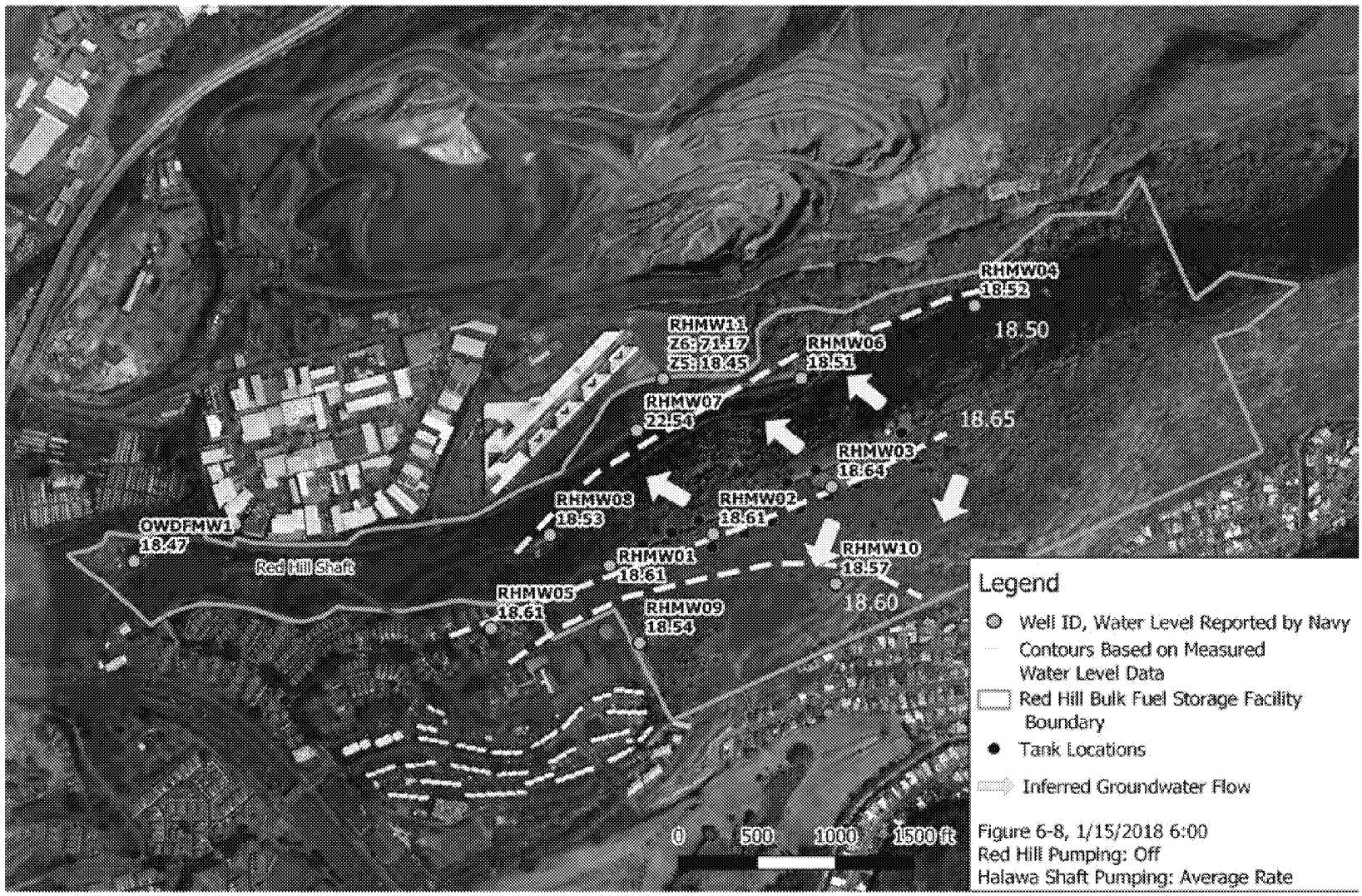


Figure 1

Measured water levels on 01/15/2018 at 06:00 after Red Hill Shaft has been not pumping for five days and Halawa Shaft maintained an average pumping rate (DON, 2018 Figure 6-8).

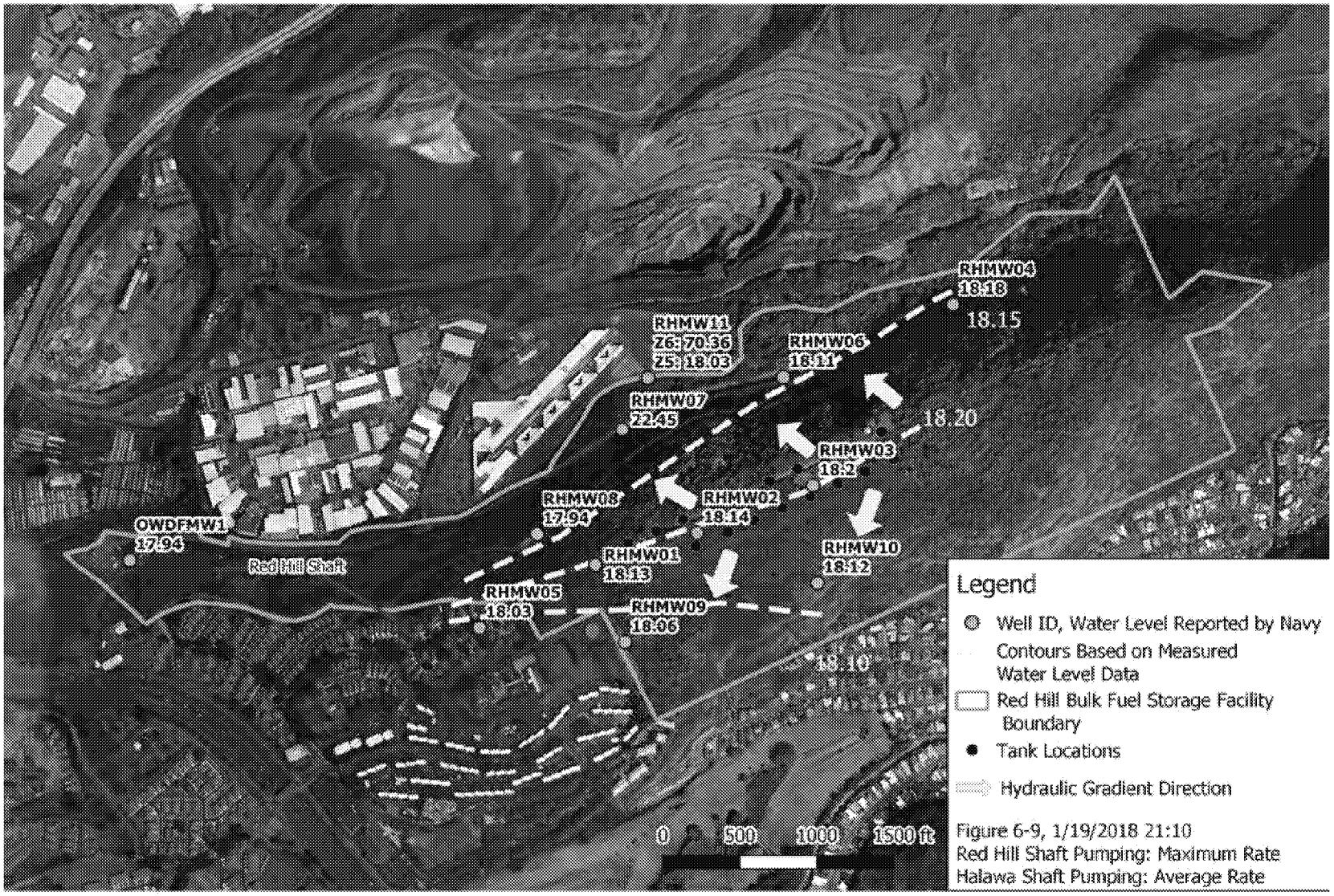


Figure 2

Measured water levels on 01/19/2018 at 21:10 after Red Hill Shaft has been pumping for five days at maximum pumping (7.7 MGD) and Halawa Shaft maintained an average pumping rate (DON, 2018 Figure 6-9).

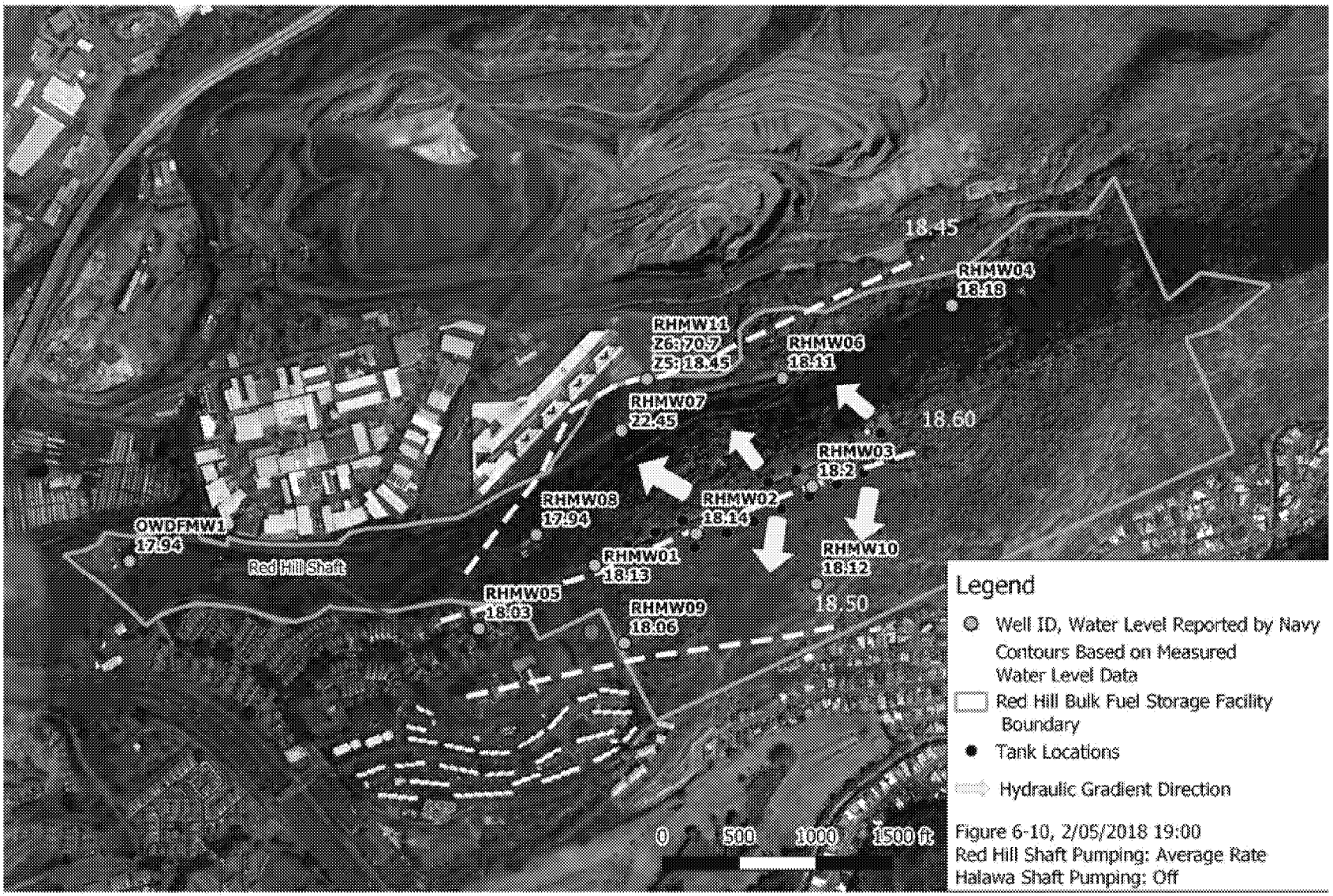


Figure 3

Measured water levels on 02/05/2018 at 19:00 after Red Hill Shaft has been pumping business as usual and Halawa Shaft has not been pumping (idle) (DON, 2018 Figure 6-10).

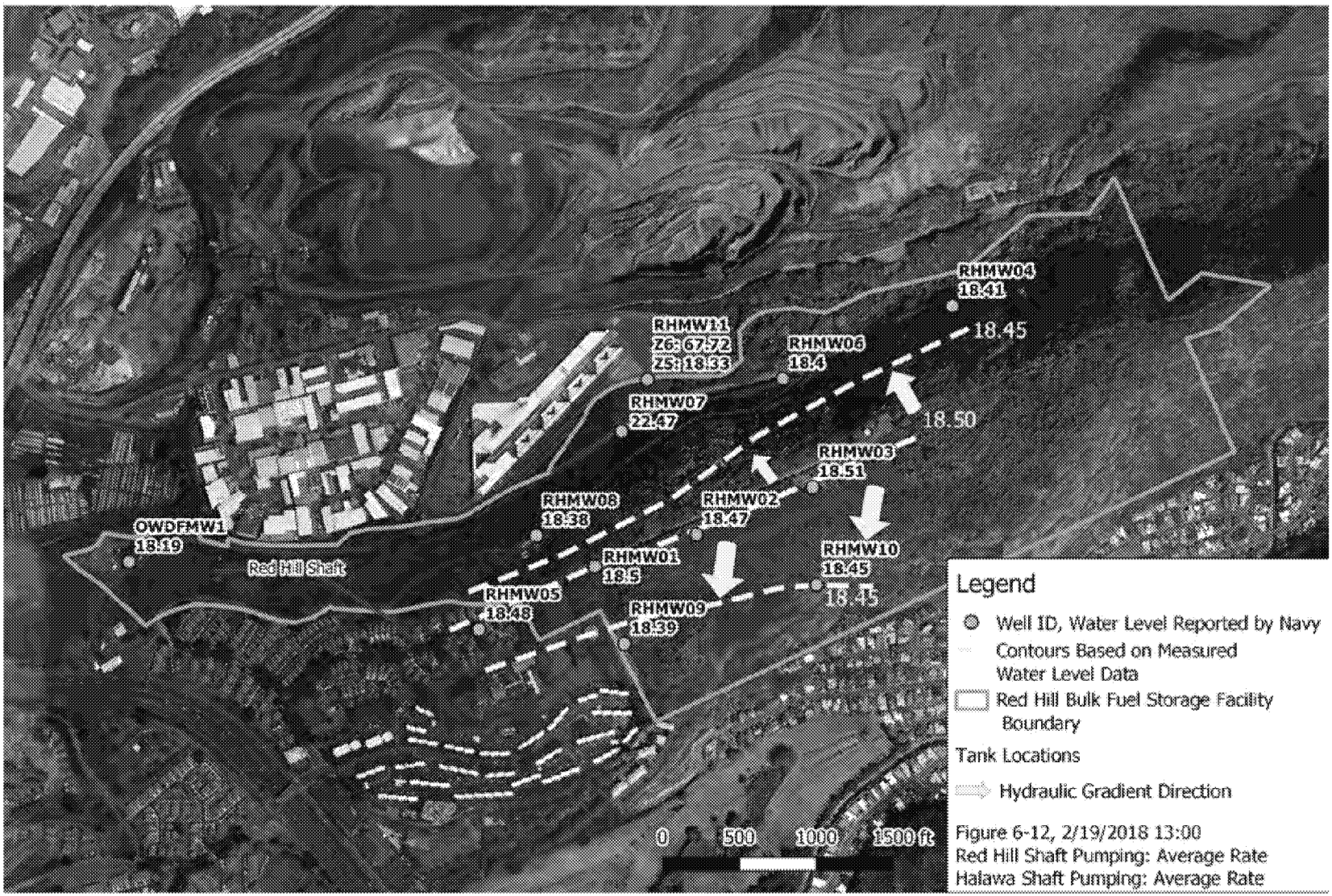


Figure 4

Measured water levels on 02/19/2018 at 13:00 after Red Hill Shaft has been pumping business as usual and Halawa Shaft maintained an average pumping rate (DON, 2018 Figure 6-12).

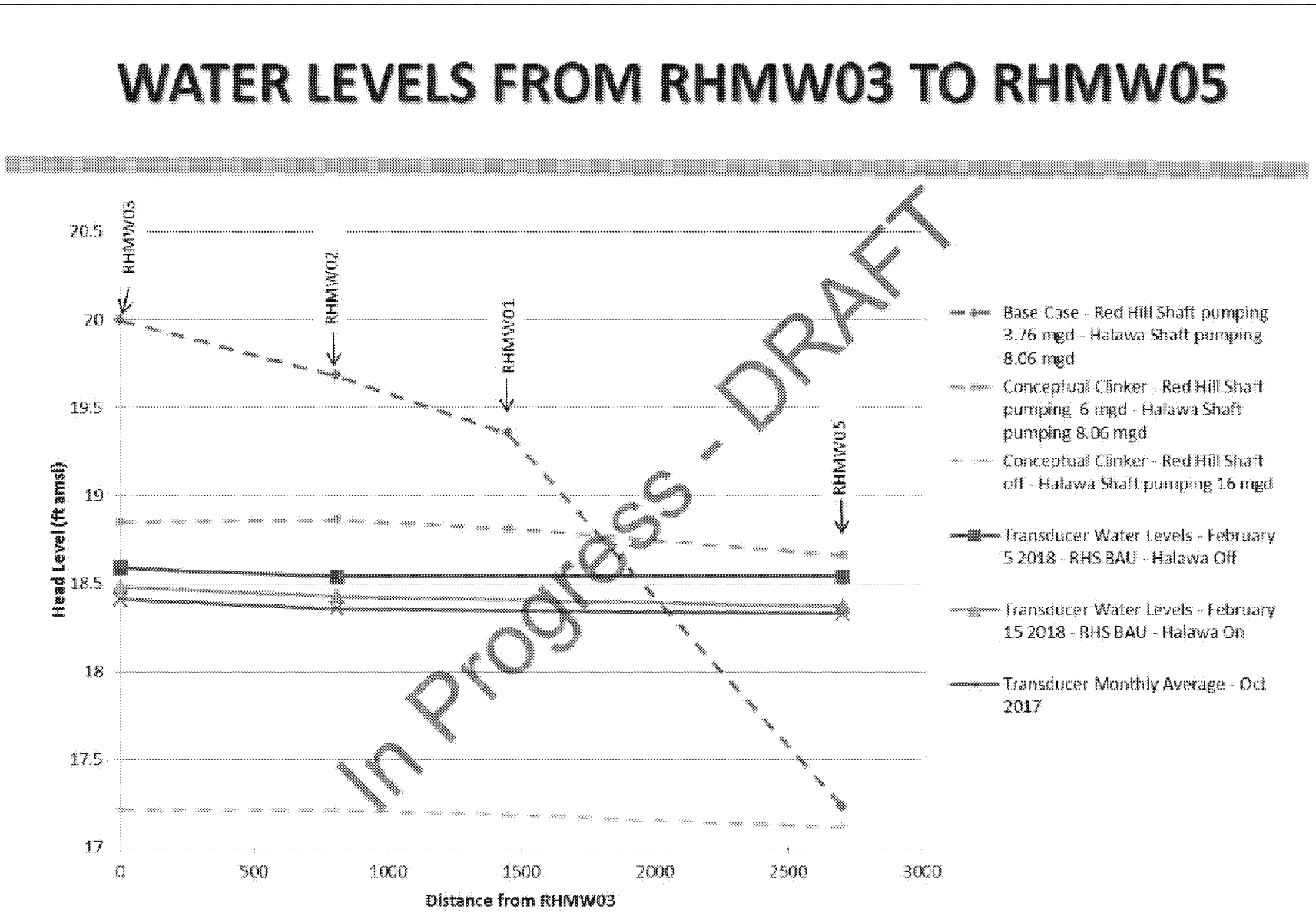


Figure 5

Measured and simulated hydraulic heads in monitoring wells RHMW03, RHMW02, RHMW01, and RHMW05. Simulated values are from the Navy's Base Case model and the Conceptual Clinker Model (modified from slide presented by Navy on June 7, 2018 during Groundwater Modeling Working Group Meeting No. 11).

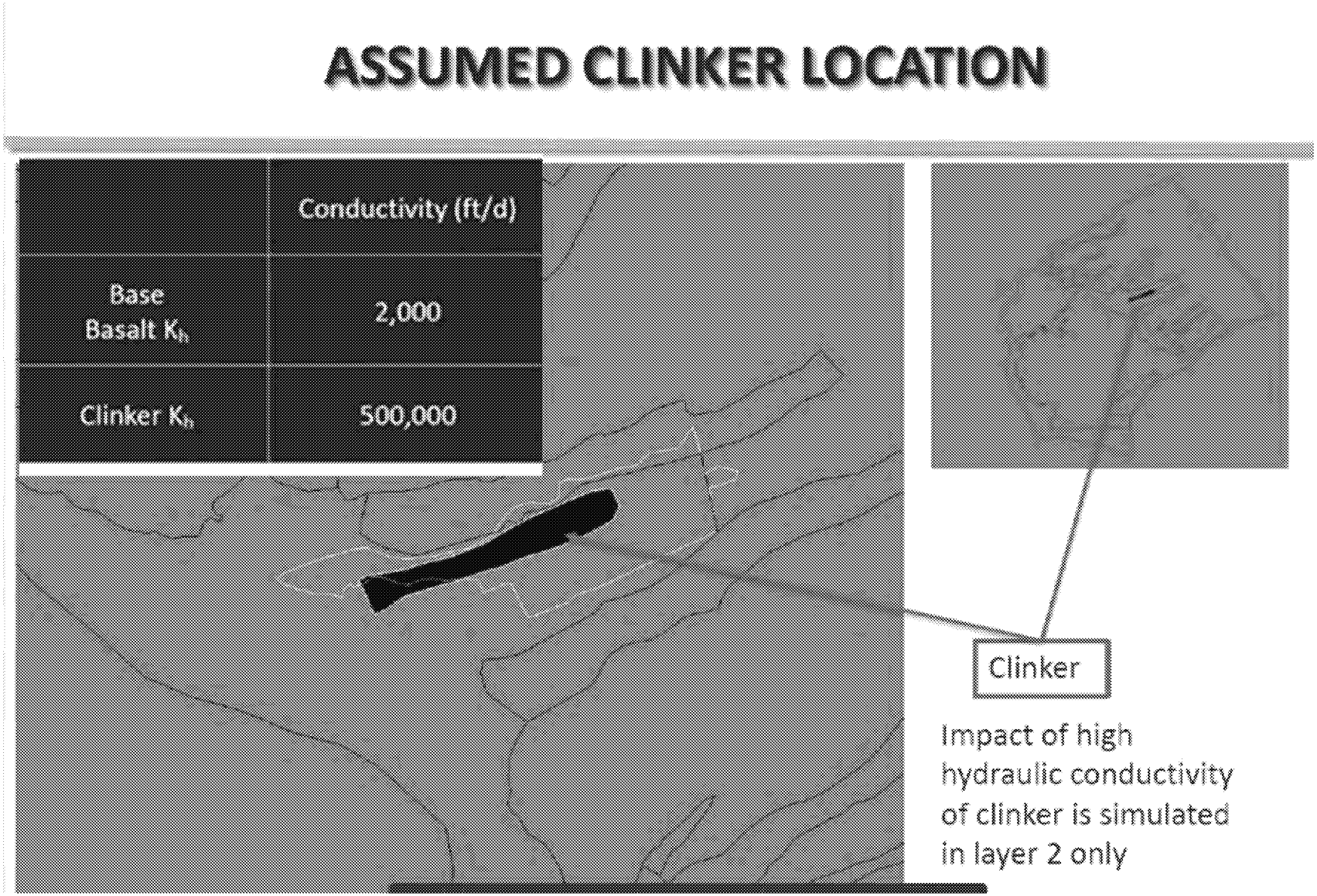
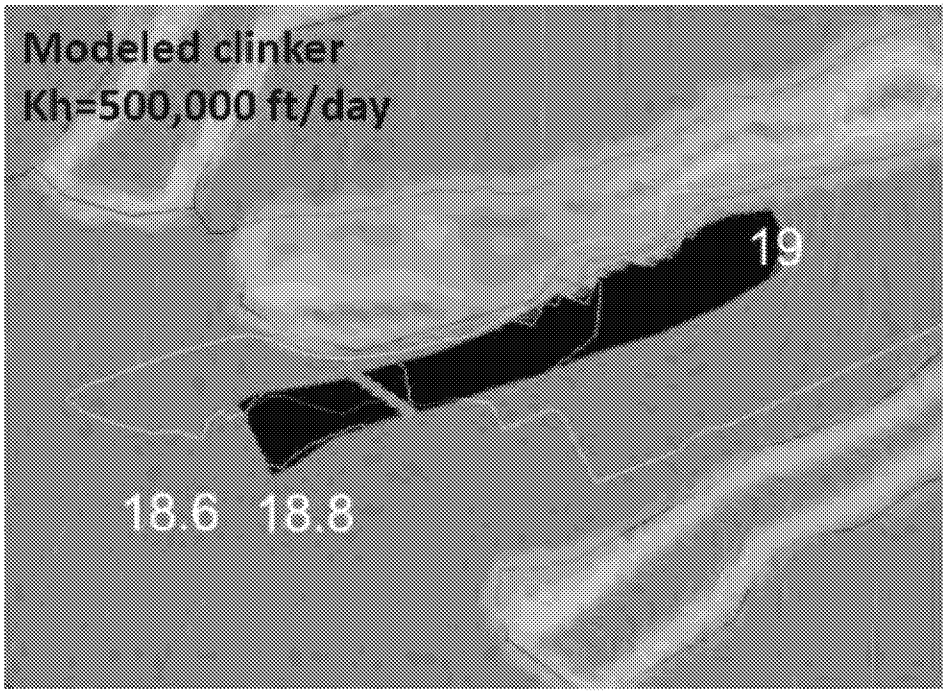
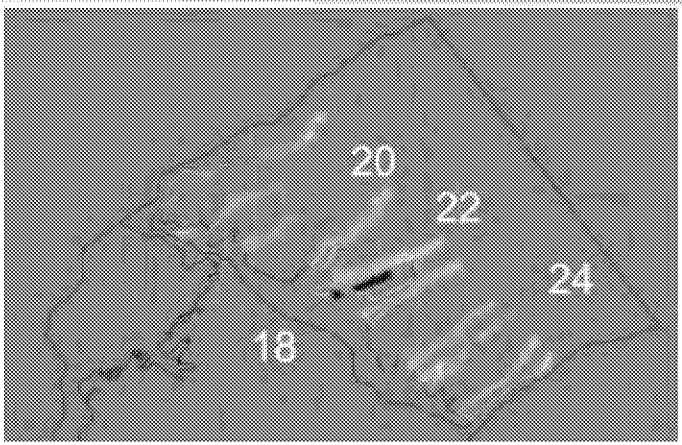


Figure 6

Location and hydraulic properties associated with Clinker Zone depicted in the Navy's Conceptual Clinker Model (modified from slide presented by the Navy on March 16, 2018 during Groundwater Modeling Working Group Meeting No. 9).

SENSITIVITY TO HETEROGENEITY: PRESENCE OF CLINKER – WATER LEVELS IN LAYER 2





Key Observations:

- Locally northwest flow towards clinker at Red Hill
- Good calibration statistics
- Very flat gradients in the clinker (~0.0001)

Figure 7

Simulated hydraulic heads produced by the Navy's Conceptual Clinker Model (modified from slide presented by the Navy on March 16, 2018 during a Groundwater Modeling Working Group Meeting No. 9).

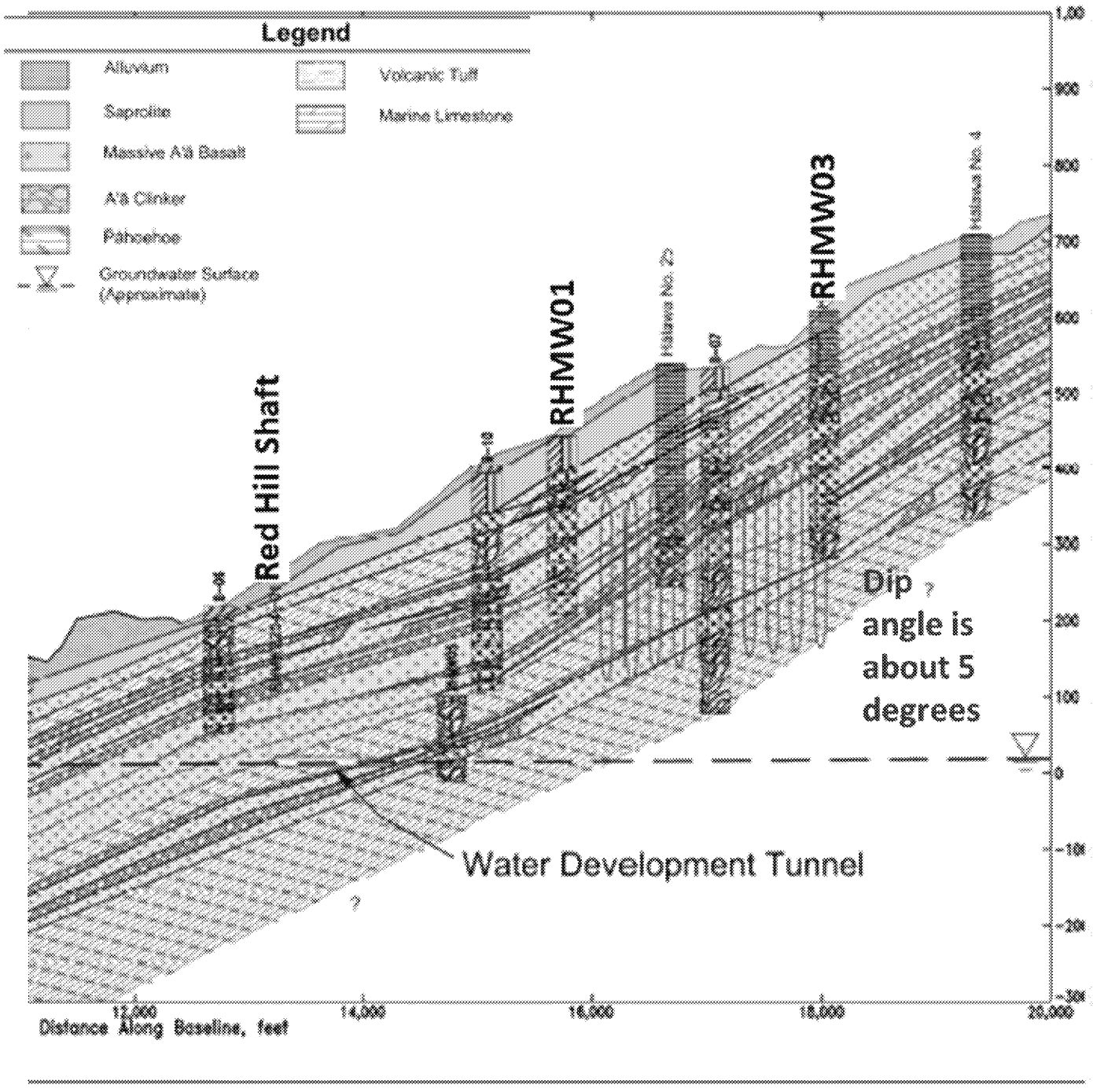


Figure 8

Mapped Basalt Zones showing dipping clinker zones in the vicinity of Red Hill Shaft and monitoring wells RHMW01 and RHMW02 (DON, 2018 Figure 5-2).